

the foregoing description. Accordingly, it is intended to embrace all such alternatives, modifications and variations as fall within the spirit of the appended claims.

### ABSTRACT OF THE DISCLOSURE

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An improved dynamics processing control system clamps a level detected control signal at a level equal to a predefined threshold point. In one embodiment, a clamped level detected signal feeds a filter with very slow response characteristics. By comparing the difference between the input and the output of the system a differential control signal generated. The differential control signal is used to provide a

10 continuously variable, program dependant output signal when the input signal drops below a threshold point. In another embodiment of the invention, both the attack and release times of the system are varied in response to a differential control signal.

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